

# S/K CHALLENGE

## S/K Challenge Demonstration

Presented  
20 March 2014



**DUGWAY  
PROVING  
GROUND**



Unclassified

# S/K Challenge



**DUGWAY  
PROVING  
GROUND**

## **S/K CHALLENGE**

CHEMICAL & BIOLOGICAL TESTING INITIATIVE  
C/B TEST WEEK



- Unique opportunity to participate in a minimum of 30 chemical and biological field test scenarios
- Comprehensive referee data package
- Economical test event
- Unprecedented networking environment
- Participants retain control and propriety of collected data

**10% Discount if registered by April 1, 2014**

Contact:

Paula Thomas

(435) 831-2116

paula.a.thomas23.civ@mail.mil

SEPTEMBER 8-18, 2014  
[www.dugway.army.mil](http://www.dugway.army.mil)

# Purpose

The purpose of the Dugway Proving Ground S/K Challenge I event is to enable the chemical and biological defense community, both government and industry, to gain early insight of system capabilities in a real world threat scenario.

As the Nation's Chemical and Biological Proving Ground, Dugway recognizes the need to continue advancing the collaborative efforts of National and International chemical and biological partners.

We offer a Test Tube to Battlefield capability, world-class information and services for Test and Evaluation within a collaborative cost environment.



Unclassified



# S/K Challenge

- S/K I is a collaborative demonstration
  - Objective: Allow early involvement in threat relevant environments to support system, process, and procedure development.
  - All participants receive the same support/services
  - Systems are not undergoing formal test/evaluation
- Uniform Fee Structure (\$15K)
  - Covers Private, Government, and International participants and their system
- Observers and Data Package pricing available separately

# Schedule

Planning	20 Mar 14, 15 May 14, 07 Jul 14
Scenario development	
Data package design	
Referee needs	
Execution	08-18 Sep 14
Scenarios	
Logistics	
Data collection	
Reporting	
Final Review	18 Sep 14
Future Improvements	18 Sep 14
Data package delivery	16 Oct 14
S/K Challenge II	13-24 Jul 15



# Ideal Testing Environment

- Environmental permits
- Pristine air quality
- No encroachment (physical or electronic)
- No endangered species
- Low precipitation (<8 in./year)

Granite Mountain  
7,080 ft. elev.

## Total Area

1,252 miles<sup>2</sup>

## Mountain Terrain

59,078 acres

## Mixed Desert Terrain

279,768 acres

## Playa (flats)

462,180 acres

Salt Flats 4,230  
ft. elev.



# Release Types

Wet Biological  
Dry Biological  
Explosives  
Dry Chemical  
Wet Chemical  
Chemical Vapor



# Proposed Simulants

## Biological Releases

BG

EH

MS2

OV

## Chemical Releases

TEP

MES

SF6

Syloid

S02

NH3





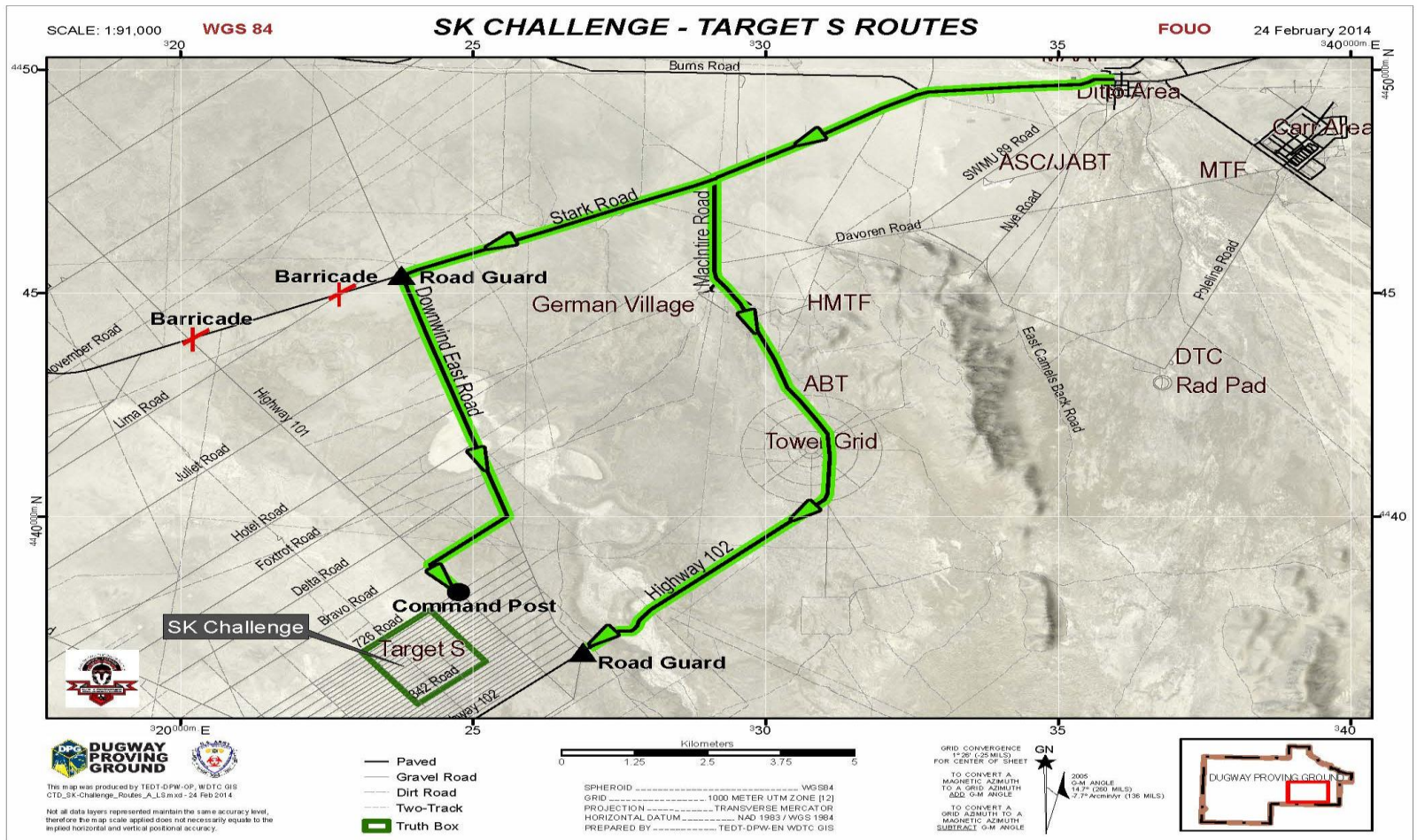
# 8 Outdoor Range Multi-use Test Grid Complex

- Complex of 27 instrumented ranges, grids, test sites & impact areas
- CB, munitions, smoke & obscurants, and illumination testing
- Outfitted with dissemination, referee & meteorological sensors and communication technology
- Environmental permits for outdoor open air testing with all appropriate CB simulants
- 4 major impact areas, 9 drop zones & 91 artillery firing points

**Most heavily-instrumented  
test range in the world**

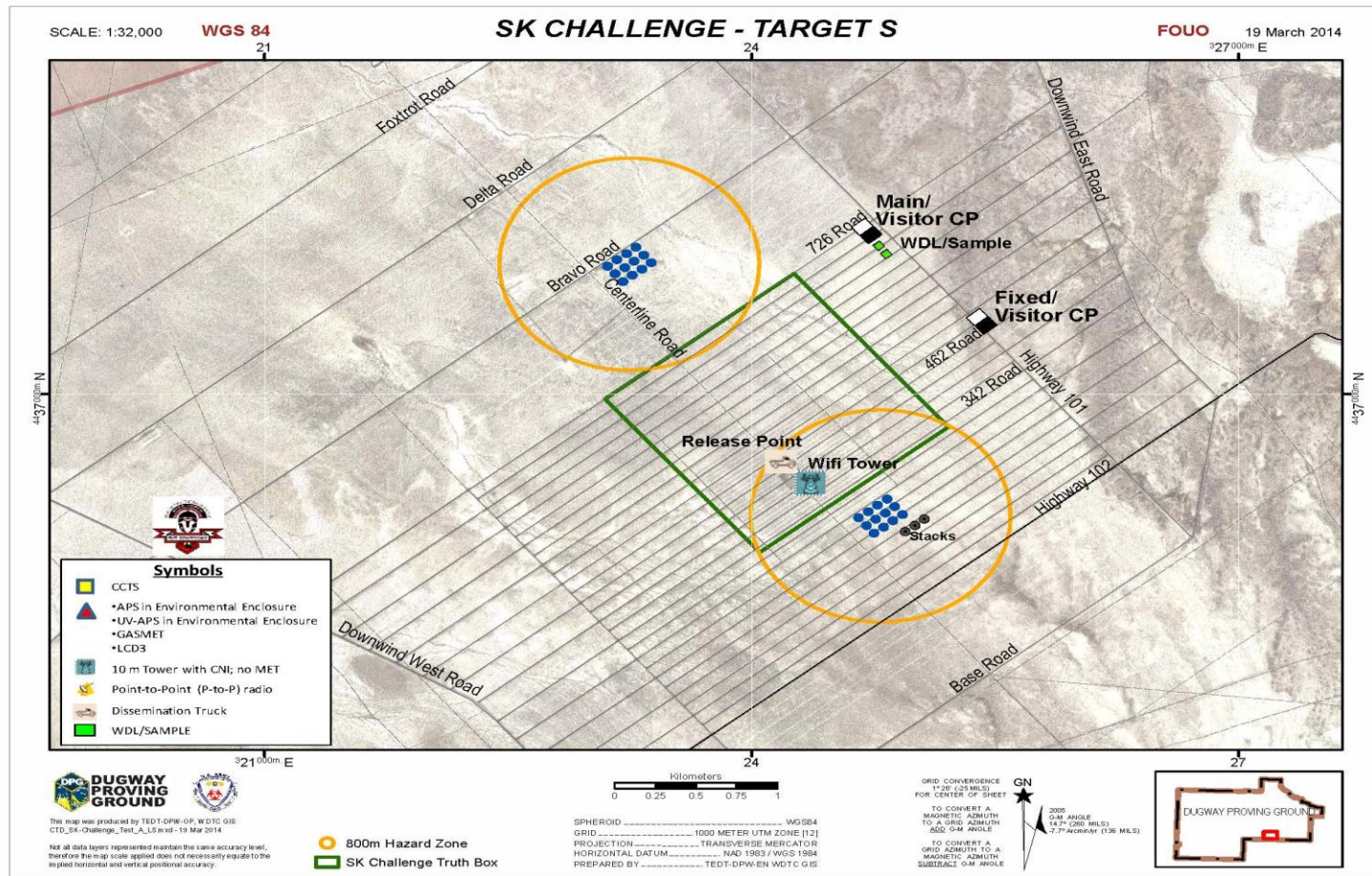


# Grid Layout





# Grid Layout



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# Expectations

## Customer Requirements

- Participate in planning
- Coordinate customer logistics



## Dugway Requirements

- Data Package - Referee data collection
- On-site Logistics
- Scenario design and execution to include:
- Chemical and Biological simulants
- Threat scenarios
- Point to point detection
- Aerosols / Liquids
- Explosive dissemination
- Non-Disclosure of proprietary information



# Execution Process

## Customer Requirements

- Limited Access to range after start of the evening.
- Participants will be allowed access before start of trials and at the end of trials each evening.
- Understand individual system troubleshooting cannot delay execution

## Dugway Requirements

- Execute trials as weather allows.
- Maintain range safety



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# Additional Information

Personal Protective Equipment

TAP Laundry

Foreign Nationals

Phones – AT&T

Attire

Cameras

Additional Information is available  
in the Welcome Packet.

# Points of Contact

Biological Systems POC

Mr Russell Bartholomew

Email: [Russell.g.Bartholomew.civ@mail.mil](mailto:Russell.g.Bartholomew.civ@mail.mil)

Chemical Systems POC

Dr Petr Serguievski

Email: [petr.serguievski.civ@mail.mil](mailto:petr.serguievski.civ@mail.mil)

General Information

Mrs Paula Thomas

Email: [paula.a.thomas23.civ@mail.mil](mailto:paula.a.thomas23.civ@mail.mil)

Ms Jean Baker

Email: [jean.m.baker42@mail.mil](mailto:jean.m.baker42@mail.mil)



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# Details and Registration

## Website [www.Dugway.army.mil](http://www.Dugway.army.mil)

SCIENCE SERVING WARFIGHTERS AND CITIZENS

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Sexual Harassment Assault Response Program Help Lines: DoD - 877-995-5247 | DPG - 435-849-1238

Welcome to Dugway Proving Ground

**West Desert Test Center**  
Request Test Services  
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Soldiers and Families  
[Enter](#)

**DPG Divisions**

**Dissemination and Explosives**

**Life Sciences**

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**About the Commander**

**Colonel Ronald F. Fizer**  
Colonel Ronald (Ron) F. Fizer was assigned to the Joint Staff in July 2010. He served in the J5 Strategic Plans and Policy section as the Combating Weapons of Mass Destruction (CWMD) Division Chief. COL Fizer recently graduated from the National Defense University's Industrial College of the Armed Forces (ICAF) as a Distinguished Graduate and received a Master of Science degree in National

**MISSION**  
As the nation's Major Range and Test Facility Base (MRTFB) for Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE), Dugway Proving Ground facilitates testing, evaluation, and training for our nation's elite forces and first responders through our capable workforce, high desert venues, and facilities.

**VISION**  
Dugway Proving Ground - Providing tailored, world-class information and services for test, evaluation and collective training.



# Questions

# S/K Challenge II

13-24 Jul 15

## DUGWAY PROVING GROUND

P R E S E N T S

## S/K CHALLENGE

